PART A – COVER PAGE

STATE WATER RESOURCES CONTROL BOARD
SFY 2002 Costa-Machado Water Act of 2000
CALFED Watershed Program

Application No. 235

PROJECT TITLE: Deer Creek Watershed Erosion and Sediment Control Project – Phase II Implementation

Project Region 5 Indicate RWQCB #: 5R

Multi-regional Project _____ Indicate RWQCB #s: _____

Statewide Project _____

PROJECT DIRECTOR (one name only) (Ms., Mr., Dr.): Tim O'Laughlin

PRINT DATE

LEAD APPLICANT OR ORGANIZATION: (one name only) Deer Creek Watershed Conservancy

TYPE OF AGENCY:

Municipality _____ Local Agency _____ *Nonprofit (non-landowner) XXX

Nonprofit (landowner) _____ Local Public Agency _____

STREET ADDRESS: 2571 California Park Drive
CITY: Chico Zip Code: 95928
P.O. BOX: Zip Code:
COUNTY: Butte
STATE: California

PHONE NO.: (530) 899-9755 FAX NO.: (530) 899-1367

E-MAIL ADDRESS: towater@sunset.net
FEDERAL TAX ID. NO.: 68-0340297

PROJECT TYPE: Watershed Protection

LEGISLATIVE INFORMATION
Senate District 4th
Assembly District 2nd
United States Congressional District 3rd

CALFED, RWQCB, or SWRCB STAFF CONTACTED REGARDING THIS PROPOSAL:

Contact:	Dennis Heiman	Contact:	John Lowrie
Phone No.:	(530) 244-4851	Phone No.:	(916) 657-2666
Dates contacted:	Jan/Feb 2002	Dates contacted:	April 2002

PRIMARY COOPERATING ENTITIES:

Entity Name: Collins Pine Company
Role/Contribution to Project: Landowner
Contact Person: Jared Tappero Phone No.: 530-258-2111
E-mail address: jtappero@collinsco.com

Entity Name: USDA Forest Service – Lassen National Forest Almanor Ranger District
Role/Contribution to Project: Land Manager
Contact Person: Russ Volke Phone No.: 530-258-5149
E-mail address: rvolke@fs.fed.gov

WATERBODY/WATERSHED (Include Catalog Number in Section 18 of the ARD): Deer Creek/Mill-Big Chico Watershed Catalog No. 180201119

GPS COORDINATES FOR PROJECT LOCATION, IF AVAILABLE: N40*18.165' W121*25.035'

FISCAL SUMMARY:

Proposition 13 Funds Requested	$625,780.00
Other Project Funds	$303,215.00
Total Project Budget	$928,995.00

CERTIFICATION

Please read before signing.

I certify under penalty of perjury that the information I have entered on this application is true and complete to the best of my knowledge and that I am entitled to submit the application on behalf of the applicant (if the applicant is an entity/organization). I further understand that any false, incomplete, or incorrect statements may result in the disqualification of this application. By signing this application, I waive any and all rights to privacy and confidentiality of the proposal on behalf of the applicant, to the extent provided in this RFP.

Applicant Signature Date

Tim O'Laughlin

Printed Name of Applicant

B. PROJECT NARRATIVE

Project Description:

As a major east-side tributary to the Sacramento River, Deer Creek (Tehama County) has been identified as one of the last three waterways in the Central Valley that continues to support a native population of wild spring-run chinook salmon and the greatest potential of all Sacramento Valley streams for increasing these natural spawning populations (Campbell and Moyle 1991 from CALFED App. C 1999). CALFED has listed Deer Creek as a priority in the list of programmatic actions for the Ecosystem Restoration Program Plan because of the unique values associated with this stream.

The Deer Creek watershed remains relatively undisturbed as it drains the west slope of the Cacades/Sierra mountains and is one of the State's largest undammed watersheds. The upper region of the Deer Creek watershed is forested and in public and private ownership. Historically and at present, Timber harvest is being conducted by Collins Pine Company and to some extent the Lassen National Forest. Within these public/private land holdings, a network of existing access roads have been evaluated by a comprehensive, systemic inventory of sediment related to those roads. This study (based on field work conducted in 1996) found sediment yields were tied closely to geology with the greatest yields from areas underlain by rhyolite and dacitic pyroclasic rocks. Moreover, the study concluded that most of the erosion was associated with a handful of preventative problems, such as plugged culverts, poorly designed low-water crossings, intercepted run-off from skid trails and landings and sloughing of fill-slope material. Total road-related erosion was estimated to be 18 yard/mi/year. Ironically, one naturally occurring landslide upstream of Deer Creek Meadows in 1997 probably mobilized more sediment than this estimated annual total, although most of the landslide debris did not reach the stream channel. However, other sediment that reaches the channel in the upper watershed has most likely contributed to channel instability in upper reaches of the stream, potentially mobilizing more sediment from floodplain storage. It has been observed that once the sediment is transported downstream to the steeper canyon reaches, it appears to flush downstream.

This project is the initial implementation phase (Phase II) of the Deer Creek Erosion and Sediment Control Project (1997) mentioned above, that conducted a road and sediment source survey to identify and engineer solutions for the top sediment producing sites in the upper watershed of Deer Creek. As a result of the survey, forty-four (44) sites were identified, prioritized, and grouped by their proximity to one another. This scope of work represents a three-year implementation schedule of engineered solutions for nine (9) of the forty-four (44) sites identified within the project area. Project sites are located within the boundaries of the Lassen National Forest and the private property of Collins Pine Company. All forty-four (44) sites were identified and evaluated through a collaborative process by Collins Pine Company and Lassen National Forest with Meadowbrook Conservation Associates. Construction plans have been review by a Technical Advisory Team of the following individuals: Dianne Gaumer, Director, DCWC, Sue Knox, Project Manager, Vina RCD, Collins Pine Company, Lonnie Johnson, Lessee, Key Roby, Hydrologist, Lassen National Forest, Greg Nappier, Engineer, Lassen National Forest, Dennis Heiman, Regional Water Quality Control Board, Randy Benthin, Fishery Biologist, California

Dept. of Fish and Game, Fraser Sime, Environmental Specialist, California Dept. of Water Resources, Kim Wilcox, Restoration Specialist, Plumas Corp., Dr. Matt Kondolf, Fluvial Geomorphologist and Dr. Tom Griggs, Restoration Specialist, CSU, Chico, Adjunct Professor.

This project is an opportunity to control sediment supply to Deer Creek and contribute to a sediment balance within the Deer Creek watershed. These restoration activities will support and contribute to the CALFED Goal 6. Sediment and Water Quality. Fine sediment loads from human activities can and have degraded benthic habitat and adversely affected aquatic organisms in streams in the Sacramento, San Joaquin and Bay regions (ERP Draft Implementation Plan, August 6, 2001, p. 13).

Justification:

Deer Creek contributes to valuable surface water beneficial uses, i.e., agriculture, recreation, freshwater habitat, migration, spawning and wildlife habitat. The 2000 California 305(b) Report on Water Quality states that "Overall, the objective is to protect the existing high quality of these watersheds (Eastside Sacramento River Tributaries) and implement site specific projects which reduce erosion/sedimentation and improve aquatic habitat." This project will help support these unique features of Deer Creek and the Deer Creek watershed and also ensure functioning of the critical pathway between up-stream spawning habitat and the Bay-Delta for spring-run, fall-run, late fall-run chinook salmon and steelhead. Since it is recognized that watershed features generally determine the conditions of the stream, reducing known potential sediment producing sites will contribute to the sustainability of watershed health and protect the beneficial uses of Deer Creek. Project outcomes will fulfill the following CALFED Program Primary Objectives: Ecosystem Quality - Anticipated Outcome: This project is expected to rehabilitate natural ecological processes that support natural aquatic and terrestrial biotic communities and life-cycle requirements by reducing sediment loading to Deer Creek. The project also supports the following CALFED strategic goals and priorities:

- CALFED Ecosystem Restoration Strategic Goals: Goal 1: At-Risk Species, Goal 2: Ecosystem Processes and Biotic Communities, Goal 4: Habitats and Goal 6: Sediment and Water Quality.
- CALFED Watershed Priorities**:** *Initial Implementation Priorities* – Development and implementation of specific watershed conservation, maintenance and restoration actions.

Community Involvement:

This project can boast of a unique working partnership between the U.S. Forest Service, Lassen National Forest and Collins Pine Company. In 1997, the U.S. Forest Service, Lassen National Forest and Collins Pine Company collaborated on the Deer Creek Erosion and Sediment Control Project that conducted an upper watershed sediment source survey on both public and private lands representing most of the upper Deer Creek watershed. This report was reviewed and commented on by the Deer Creek Watershed Action Committee (WAC) formed by the Deer Creek Watershed Conservancy and comprised of local, state, and federal resource managers responsible for fish, wildlife and flood control, private property owners representing the various economic uses of the watershed, representatives

from conservation organizations and committees concerned with the future management of Deer Creek's natural resources, and sportsman and outdoor recreation groups interested in protecting the quality of the recreation resources. Site visits were conducted by individual members of the WAC to provide input and approval. Additional site visits will be organized to include the communities within the watershed together with representatives from the WAC, CALFED and SWRCB to order to inform and educate about the implementation techniques and progress of the project. Because there has been a strong effort to include stakeholders and interested individuals, this project has broad-based support.

Relationship to Watershed Management Activities (watershed context):

Through collaborative efforts of landowners, state and federal resource managers, technical experts, and conservation groups, DCWC has developed and is implementing the Deer Creek Watershed Management Plan. This plan consists of the following two components: (1) description of the existing conditions of the watershed and (2) a comprehensive watershed management strategy. The Watershed Management Strategy prioritizes implementation measures identified to meet stakeholder concerns, but also to meet the goals of the CALFED *Ecosystem Restoration Program Plan*, California Department of Fish and Game's, *Restoring Central Valley Streams: A Plan for Action* and the goals of the U.S. Fish and Wildlife Service's, *Anadromous Fish Restoration Plan*. The Deer Creek Watershed Management Plan was completed in 1998. For the last three and one-half years, DCWC has been actively pursing support in the way of funding and collaboration to implement the actions described in the Watershed Management Strategy. This project is identified for implementation in the Deer Creek Watershed Management Plan (Strategy 2C.) and is part of other restoration actions that are being actively pursued by the DCWC.

Currently, DCWC has submitted a proposal to CALFED to develop the Lower Deer Creek Restoration and Flood Management Plan. This project will investigate the feasibility of allowing flood flows in Deer Creek to access the floodplain. It is believed that the storage of flood flows on the floodplain will eliminate the current perceived need to aggressively manage Deer Creek for flood control. Reduced physical maintenance will allow important elements of channel complexity to rebound in Deer Creek, resulting in the natural development of aquatic and riparian habitat over time. Upper watershed improvements that will reduce cumulative sediment loading to the stream will enhance and protect the success of restoring the floodplain activities in the lower reach of Deer Creek. This will increase the long-term maintenance of habitat restoration actions in the lower reach of the stream.

In addition, this restoration project is linked to the Deer Creek Rangeland Water Quality Program that will provide ranchers within the Deer Creek watershed the technical expertise and guidance to develop and complete Ranch Management Plans together with a monitoring program for each ranch. The Ranch Plans are designed to fulfill Tier 1 requirements of the California Rangeland Water Quality Management Plan, the Clean Water Act, the Coastal Zone Act and the Porter-Cologne Act. These Ranch Plans will also fulfill Strategy No. 5 of the Deer Creek Watershed Management Strategy that recommends: *With the assistance from U.C. Cooperative Extension's Rangeland Monitoring Program, encourage ranchers within the watershed to design grazing strategies and monitoring plans for their land*. The goal of the project is to prevent degradation of

water quality within the watershed by establishing best management practices and long-term monitoring strategies and track associated activities in order to make informed decisions concerning protection and restoration actions. Support for this program has been given by a CALFED grant awarded in 2002. The contract is in the process of being executed.

In addition to the above-mentioned projects, another restoration action being implemented is the Deer Creek Water Exchange Program. This program is aimed at augmenting fish transportation flows in Deer Creek by substituting bypassed surface water with pumped groundwater. The California Department of Water Resources has been collecting data concerning land use, water use and groundwater levels to identify the existing conditions in the lower reach of Deer Creek. Monitoring wells have been drilled and are presently furnishing consistent data to establish groundwater levels within the water exchange project area. Funding is being pursued to provide independent technical review of the data to establish and review legal requirements, to design agreements for cooperative management programs, and to develop, manage and implement a framework of groundwater management objectives for the area. This action will implement Strategy No. 1 of the Deer Creek Watershed Management Strategy.

All these actions are being closely coordinated with state and federal resource agencies with responsibilities and authorities within the watershed, local government and watershed stakeholders to ensure consistency and integration.

Support for local decision makers:

Deer Creek Watershed Conservancy, the Quincy Library Group, The Tehama County Board of Supervisors, the State and Federal resource agencies and local environmental groups are all very knitted into the Deer Creek Watershed Action Committee that meets once a year to review and evaluate watershed activities. Directors and staff at the Deer Creek Watershed Conservancy regularly attend local planning meetings to give presentations and to network with other groups and local government agencies, in order to communicate and exchange information about Deer Creek watershed actions and project integration. This communication is also key to collaborating and coordinating with other watershed groups in an overall approach to restoration activities within the Sacramento Valley region.

Technology transfer: In partnership with the Lassen National Forest, Collins Pine Company will produce a CD-ROM that documents this project with text descriptions and photo documentation. The information will include contacts and links to this project and other projects and programs being conducted in the watershed. In addition, representatives from Collins Pine Company and the Lassen National Forest will schedule a presentation to the CALFED Science Panel to inform and solicit their review of the completed project as well as an overview of all work being done in the watershed. Collins Pine Company also conducts annual tours with students and professors from the forestry departments at the University of Nevada-Reno and the University of California-Berkeley. This project will be toured and reviewed by the two universities. Project progress and completion will be reported in the Deer Creek Watershed Conservancy newsletter and the Annual Report.

C. PROPOSED SCOPE OF WORK

1. BACKGROUND AND GOALS

Project Need:

Deer Creek is recognized by CALFED, State and Federal resource agencies and the public as being a priority stream for wildlife and fisheries, for water supply and recreational use. Protecting the unique values and beneficial uses of Deer Creek and the Deer Creek watershed is an important goal for watershed stakeholders and the State of California. Implementation of this project will support this goal by restoring and maintaining watershed processes, in particular, the long-term balance of sediment supply to the waterway by controlling erosion in the upper watershed. The project is a result of an expert survey of sediment sources and planning and engineering design efforts to eliminate and control those sources of sediment. Implementing maintenance measures that will include improving culvert crossings to meet 100-year flows; narrowing roads; improving road drainage; installing structures at stream-crossings to allow unimpaired fish passage and reducing the potential for crossing failure will make a substantial contribution to the long-term protection of resources found in this valuable watershed and stream.

Background for Work to be Performed:

This project will include implementing project work (Tasks) at nine (9) of the sites identified in the 1997 road survey. Work to be completed will include upgrading culverts to meet 100-year flows; installing structures at stream-crossings to allow unimpaired fish passage and reduce the potential for crossing failure – which could increase sedimentation in stream-courses tributary to Deer Creek; narrowing roads and improving drainage on roads to reduce sedimentation and erosion problems; removing existing structures that may upon failure contribute significant amounts of sediment to Deer Creek. **Methods and Materials:** Road reconstruction and drainage improvements, culvert upgrades, removal and replacement of stream crossing structures will be conducted in a manner consistent with proven and accepted restoration strategies. Materials will consist of prefabricated concrete and steel structures, as well as native materials.

Project Goals:

- To maintain the high water quality of Deer Creek by managing roads to reduce sedimentation, minimize erosion, maintain stability, and reduce the risk that drainage structures and stream crossings will fail or become less effective;
- To maintain viable anadromous fish spawning and rearing habitat;
- To assess restoration activities for evaluating appropriate future management measures for road management within the Deer Creek watershed.
- To protect and restore Chinook salmon and steelhead habitat and preserve the long-term productivity of the upper Deer Creek aquatic ecosystem through cooperative watershed management.

Objectives:

- Complete project implementation on nine (9) of the forty-four (44) sites identified as top sediment producers in the upper watershed;
- Build capacity to monitor and assess restoration actions by conducting a yearly monitoring schedule that will measure the success of meeting the project goals and objectives to identify what corrective steps need to be taken when these objectives are not being achieved;
- To outreach and educate other watershed groups about the development and implementation of this project through site visits and the DCWC Annual Report.

Technical Adequacy and Feasibility:

The project approach is consistent with the "standard methods" described in the following published guidelines: Calif. Dept. of Fish & Game, California Salmonid Stream Habitat Restoration Manual; the Mendocino Resource Conservation District, 1994 Handbook for Forest and Ranch Roads; USFS road management guidelines. Engineering and design has been reviewed by outside engineers, consultants and resource agency specialists, as well as, engineers from the Lassen National Forest. All permitting is expected to be obtained in the winter months and be completed three months before start of construction when the sites are accessible.

Anticipated Outcomes:

- To reduce the potential for structure failure at watercourse crossings caused by a significant flow events that would result in a major degradation to water quality by excessive sediment loading to Deer Creek. (**sediment balance and water quality**)
- To maintain and improve valuable spawning and rearing habitat for anadromous fish in the upper Deer Creek watershed. (**spawning habitat**)
- To add another restoration link to overall watershed restoration activities, i.e., Rangeland Water Quality Program, Water Exchange Program, and the USFS Long-term Watershed Strategy. (**ecosystem restoration – watershed management**)

CALFED Watershed Program Goals: This project will advance the following primary objectives of CALFED: **Ecosystem Quality** – Improve and increase aquatic and terrestrial habitats and improve ecological functions in the Bay-Delta to support sustainable populations of diverse and valuable plant and animal species; and, **Water Quality** – provide good water quality for all beneficial uses, especially to support a variety of fish and wildlife populations.

CALFED Watershed Program Desired Outcomes: This project will support the following desired outcomes:
3.3.1. – Improved Coordination and Assistance, 3.3.1.1. – Collaboration Between Public and Private Parties.
3.3.2.3. – Effective Watershed Plan Implementation.
3.3.5 Improved Watershed Stewardship
3.3.5.1 – Improved Watershed Ecosystem Maintenance and Enhancement – Sediment Balance

Prop. 13 Goals:

CWA Section 79080. This project fulfills Prop. 13 legislation by attaining watershed improvement in the area of sedimentation and will also fulfill the following legislative objectives: (3) Restore or improve aquatic or terrestrial habitat; and, (6) Prevent watershed soil erosion and sedimentation of surface waters.

2. PROPOSED WORK TO BE PERFORMED

Task 4. **Site 1 - Collins Pine Company 1435 Road**. Reduce sediment from subject road which is tributary to Gurnsey Creek in upper Deer Creek Watershed. Work will include: Improving the drainage by installing three cross-drain culverts; one 36-inch CMP and two 24-inch CMP to improve passage of water across the road profile. Install 250-feet of 8-inch PMP to drain wet spring area. Establish 2-4% outslope to road surface and remove outside burm. Install rolling dips below culverts to reduce diversion potential and every 150-feet as needed for the length of the road segment (approximately 1,320-feet). The road surface will be reconstructed to prevent potential surface erosion and maintain stability of the road surface. Permits will be acquired through the California Department of Fish and Game 1603 process.

Task deliverables: Road reconstruction.
Success criteria/Measurement: Road surface reconstructed and drainage structures in place.

Task 5. **Site 6 - Collins Pine Company 1500/United States Forest Service (USFS) 28N88 cost-share road**. Install a pre-cast pre-stressed concrete stringer bridge at stream crossing at unnamed tributary to Deer Creek on Collins/USFS cost-share road. Bridge installation will include armoring the streambank with 3-5 foot boulders placed from the edge of the stream channel to the top of the fill in courses and keyed into one another; excavating pads for the bridge abutments and leveling those pads with a minimum of 8-inches of compacted road base; installing the pre-cast abutments; installing the pre-cast stringers; grouting the seams and pouring the wheelguards. After bridge has been installed rock the approaches for 150-feet with ¾-inch minus base rock. Permits will be acquired through the California Department of Fish and Game 1603 process.

Task deliverables: Bridge replaced.
Success criteria/Measurement: Abutments and running surface in place, approaches rocked.

Task 6. **Site 9 - Demolition of former Highway 36 wood-structure bridge**. The failing bridge spans the north fork of Deer Creek. Work includes removing the asphalt running surface from the structure; disassembling the existing structure in pieces and hauling the disassembled timbers and asphalt to a disposal site. Work to be accomplished will be done without entering the active channel of the stream. Permits will be acquired through the California Department of Fish and Game 1603 process.

Task deliverables: Bridge demolition.
Success criteria/Measurement: Removal of demolished materials. Stream bank rehabilitation complete.

Task 7. Site 13 - Bridge Replacement at Collins Pine Company 1800A/1700 (USFS 28N89) road junction. Replace existing log stringer bridge with a permanent steel or concrete structure at the Swamp Creek stream crossing (Swamp Creek is tributary to Deer Creek). This is a Collins Pine Company/USFS cost-share road. New structure will be installed (in much the same manner as the bridge at Site 6) at a location upstream from the existing structure. Existing structure will be used to transport equipment and materials to the opposite side of the streamcourse while construction of the new structure is taking place. When the new structure has been completed the old one will be removed. Permits will be acquired through the California Department of Fish and Game 1603 process.

Task deliverables: Replace bridge.
Success criteria/Measurement: Abutments and running surface in place, approaches rocked.

Task 8. Site 14 - Collins Pine Company 1700/USFS 27N21 cost-share road. The project will include obliterating a small segment of the upper portion of this road as well as narrowing and redesigning the drainage of the running surface of the lower portion. The upper portion of the road lies in what used to be the stream channel, this portion of the road will be obliterated and the drainage shall be returned, as close as possible, to what was the natural channel. The lower section of the road will be narrowed, outsloped (2-4%), and drained with rolling dips. All culverts will be removed to prevent future plugging and maintenance problems, new cross drains will be constructed rock ford crossings.

Task deliverables: Road obliteration and road reconstruction.
Success criteria/Measurement: Upper road segment obliterated. Lower segment reconstructed and drainage structures in place.

Task 9. Site 7 - Collins Pine Company 1510/1511 road switchback (matching funds). Fill the inboard ditch and outslope the road surface above the 1510 switchback and install a rocked rolling dip above the turn to drain any excess accumulations of runoff. From the rolling dip above the switchback though the turn the road surface should be rocked to prevent sheet erosion. From switchback to the bottom of the road (approx. 1320-feet) outslope road (2-4%) and install rocked rolling dips to prevent erosion of the road surface.

Task deliverables: Road reconstruction.
Success criteria/Measurement: Portion of road surface rocked. Drainage structures in place. Road outsloped.

Task 10. Site 15 – Collins Pine Company 1820/USFS 28N89 cost-share road (matching funds). Eliminate diversion potential of uppermost culvert by installing rocked rolling dip below it. Fill the inside ditch, outslope the road surface (2-4%) and install rocked rolling dips for approximately 1320-feet from the junction of the 1821 to the junction of the 1800.

Task deliverables: Road reconstruction.
Success criteria/Measurement: Inboard ditch filled. Road surface outsloped and rolling dips installed.

Task 11. Site 16 – Collins Pine Company 1821 series/USFS 28N97, 28N97C, 28N97D cost-share roads (matching funds). Outslope and improve drainage of the road surfaces. After road surface has been ousloped install runouts where necessary to improve drainage. Eliminate burm on outside edge of road to minimize concentration of water on road surface and prevent sheet erosion.

Task deliverables: Road reconstruction.
Success criteria/Measurement: Road outsloped and drainage structures complete.

Task 12. Site 2 – Tehama County Road 769/USFS 29N13 road (matching funds) Work includes the relocation of a .6-mile section of Tehama County Road 769/USFS 29N13 road from the bottom of a drainage to an existing parallel road system on Collins Pine Company property and outslope and drain another .4 mile section of County Road 769 to reduce chronic erosion and sediment deposition and improve user safety.

Task deliverables: Road relocation.
Success criteria/Measurement: Former road decommissioned. Natural drainages defined. Permanent road upsloped.

Task 13. Produce and Disseminate CD. The project will create a CD

Task deliverables: 25 copies of project documentation on a CD Rom.
Success criteria/Measurement: Completed master CD and mailing.

Performance Measures:

Completed Construction Sites: Performance of construction and rehabilitation will be photo documented for each proposed structural and physical upgrade and will be recorded on a CD OM for distribution to CALFED and other project participants. A Performance Measurement Plan will also be included on the CD ROM.

Task No. Deliverables	Target Completion Dates
Task 1: Project Administration	
1.2 Quarterly/Monthly Progress Reports	ongoing
1.5 Contract Summary Form	March 1, 2004
1.6 List of subcontracted tasks, Good Faith Effort documents, quarterly/monthly Utilization Reports	March 1, 2004
1.7 Subcontractor Documentation	April 30, 2004
1.8 Expenditure/Invoice Projections	ongoing
1.9 Project Survey Form	Jan 31, 2006
Task 2: CEQA/NEPA Documents and Permits, if applicable	All CEQA/NEPA documents will be completed 3 months prior to estimated start date for each project
2.1 CEQA/NEPA Documentation	Timber Harvest Plan/BA&BE
2.2 Permits	1603/CWA 404/ESA Consultations
Task 3 : Quality Assurance Project Plan, if applicable	Not applicable
Task 4: Road Reconstruction	December 31, 2005
Task 5: Stream Crossing Installation	December 31, 2004
Task 6: Bridge Deconstruction	December 31, 2005
Task 7: Stream Crossing Replacement	December 31, 2004
Task 8: Road Reconstruction	December 31, 2005
Task 9: Road Reconstruction **Task 10: Road Reconstruction** **Task 11: Road Reconstruction** **Task 12: Road Reconstruction**	December 31, 2004 December 31, 2004 December 31, 2004 December 31, 2004
Task 13: Draft and Final Reports/CD-ROM	
#.1 Draft Report	March 31, 2006
#.2 Final Report	May 31, 2006

PART D1 - BUDGET SUMMARY SHEET – TASK BUDGET BREAKDOWN (Parts D1 and D2 combined not to exceed 2 pages)

	Proposition 13 Funds	Other Project Funds	Total Budget
1. Task 1 – Project Administration	$ 67,000.00	$ 0.00	$ 67,000.00
2. Task 2 – CEQA/NEPA Documents and Permits	$16,000.00	$7,000.00	$23,000.00
3. Task 3 – Quality Assurance Project Plan	$0.00	$0.00	$0.00
4. Task #4 – Site 1 – Road Reconstruction	$44,720.00	$5,900.00	$50,620.00
5. Task # 5 – Site 6 - Stream Crossing Installation	$112,100.00	$18,400.00	$130,500.00
6. Task #6 – Site 9 – Bridge Deconstruction	$150,610.00	$69,210.00	$219,820.00
7. Task #7 – Site 13 - Stream Crossing Replacement	$114,575.00	$18,500.00	$133,075.00
8. Task #8 – Site 14 – Road Reconstruction	$119,775.00	$52,905.00	$172,680.00
9. Task #9 – Site 7 – Road Reconstruction	$0.00	$21,850.00	$21,850.00
10. Task #10 – Site 15 – Road Reconstruction	$0.00	$18,600.00	$18,600.00
11. Task #11 – Site 16 – Road Reconstruction	$0.00	$14,850.00	$14,850.00
12. Task #12 – Site 4 – Road Reconstruction	$0.00	$75,000.00	$75,000.00
13. Task #13 – Draft and Final Reports/CD-ROM	$1,000.00	$1,000.00	$1,000.00
TOTAL BUDGET	**$625,780.00**	**$303,215.00**	**$928,995.00**

PART D2 - BUDGET SUMMARY SHEET – LINE ITEM Budget (Parts D1 and D2 combined not to exceed 2 pages)

	Proposition 13 Funds	Other Project Funds	Total Budget
1. Personnel Services	$	$	$
2. Operating Expenses			
3. Property Acquisitions			
a. Equipment	$19,000.00	$0.00	$19,000.00
b. Furniture			
c. Portable assets			
d. Electronic data software/hardware			
e. Processing equipment			
f. Miscellaneous	$1000.00	$1000.00	$2000.00
4. Professional and Consultant Services	$20,000.00	$9,000.00	$29,000.00
5. Contract Laboratory Services			
6. Construction Expenses	$518,780.00	$261,215.00	$780,995.00
7. General Overhead	$67,000.00	$31,000.00	$98,000.00
8. TOTAL BUDGET	**$625,780.00**	**$303,215.00**	**$928,995.00**

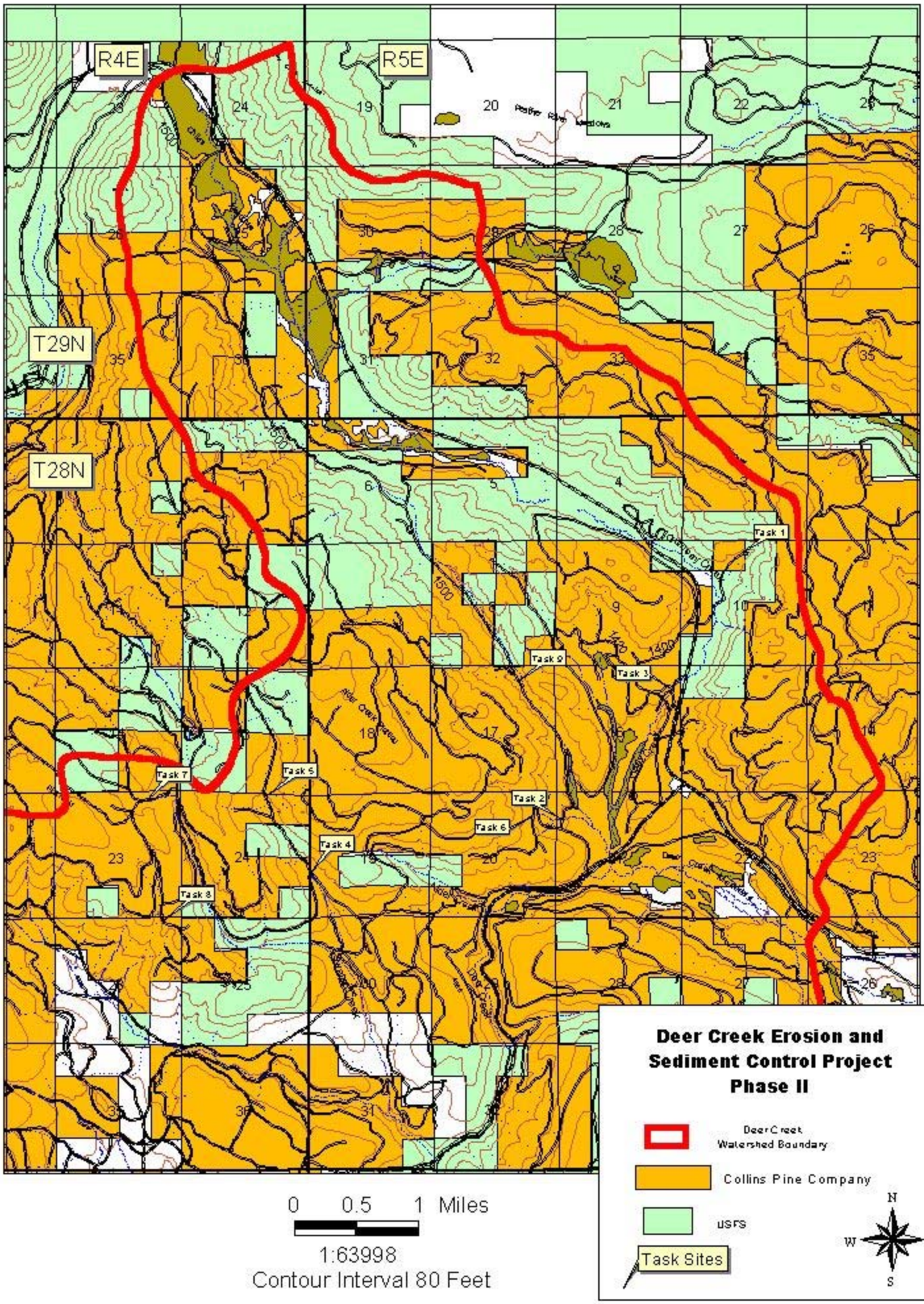
1. Describe the source and nature of the matching funds.

Matching funds come from both in kind services and capital expenditures relating to the projects. Collins Pine Company and the USDA Forest Service are both contributing time and money to the sediment and erosion control project.

NOTES:

1) A SUBCONTRACTOR OR CONSULTANT CANNOT BE A PROJECT DIRECTOR FOR THE APPLICANT. SHOW ONLY THE APPLICANTS STAFF COSTS.

2) THE SWRCB AND CALFED RESERVE THE RIGHT TO ADJUST PROJECT AWARDS. APPLICANTS MAY BE ASKED TO REDUCE THEIR PROJECT BUDGETS.


R4E
R5E
T29N
T28N
Task 1
Task 2
Task 3
Task 4
Task 5
Task 6
Task 7
Task 8
Task 9
Deer Creek Erosion and Sediment Control Project Phase II
Deer Creek Watershed Boundary
Collins Pine Company
USFS
Task Sites
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PART F – ENVIRONMENTAL INFORMATION FORM (3 pages maximum)

ENVIRONMENTAL INFORMATION FORM

NEPA/CEQA

1. Will this project require compliance with CEQA, NEPA, or both? Yes__XX___No_____

2. If you checked "no" to question 1, please explain why compliance is not required for the actions in this proposal.

3. If the project will require CEQA and/or NEPA compliance, identify the lead agency(ies).

CEQA Lead Agency	California Department of Fish and Game
NEPA Lead Agency	National Marine Fisheries Service

4. Please check which type of document will be prepared.

CEQA		**NEPA**	
Categorical Exemption		Categorical Exclusion	
Initial Study		Environmental Assessment/FONSI	XX
Environmental Impact Report	XX	Environment Impact Statement	

If you anticipate relying on either or both the Categorical Exemption or Categorical Exclusion for this project, please specifically identify the exemption and/or exclusion that covers this project. (Example: Fish and Wildlife Service Manual at 516 DM 6 Appendix 1.4 Categorical Exclusions Section B Resources Management: (1) Research, inventory, and information collection activities directly related to the conservation of fish and wildlife resources.)

5. If the CEQA/NEPA process is not complete, please describe the estimated timelines and cost for the process and the expected date of completion.

CEQA/NEPA documents will be completed 3 months prior to the start of a project. The documentation process will begin the winter after money has been allocated. Project implementation will begin the spring/summer following funds allocation.

6. If the CEQA/NEPA document has been completed:

What is the name of the document?_____

Please attach a copy of the CEQA/NEPA document cover page to the application.

Please indicate what permits or other approvals may be required for the activities contained in your proposal and which have already been obtained. Please check all that apply.

LOCAL PERMITS AND APPROVALS	Needed?	Obtained?
Conditional use permit	NO	
Variance	NO	
Subdivision Map Act	NO	
Grading permit	NO	
General plan or Local Coastal Program amendment	NO	
Specific plan approval	NO	
Rezone	NO	
Williamson Act Contract cancellation	NO	
Local Coastal Development Permit	NO	
Other	NO	
STATE PERMITS AND APPROVALS	Needed?	Obtained?
Scientific collecting permit	NO	
CESA compliance: 2081	NO	
CESA compliance: NCCP	NO	
1601/03	YES	NO
CWA 401 certification	NO	
Coastal development permit	NO	
Reclamation Board approval	NO	
Notification of DPC or BCDC	NO	
Other	NO	
FEDERAL PERMITS AND APPROVALS	Needed?	Obtained?
ESA compliance Section 7 consultation	YES	NO
ESA compliance Section 10 permit	NO	
Rivers and Harbors Act	NO	
CWA 404	YES	YES

Other		
PERMISSION TO ACCESS PROPERTY		
Permission to access city, county or other local agency land. If "yes," indicate the name of the agency: _____	NO	
Permission to access State land. If "yes," indicate the name of the agency: _____	NO	
Permission to access federal land. If "yes," indicate the name of the agency: _____	NO	
Permission to access private land. If "yes," indicate the name of the landowner (if multiple landowners, indicate how many individuals will be involved and what percentage have already granted permission: _____	NO	

PART - LAND USE QUESTIONNAIRE

1. Do the actions in the proposal involve construction or physical changes in the land use?
   Yes__XX__ No____

If you answered "yes" to # 1, describe what actions will occur on the land involved in the proposal.

The land use will not be changed only construction will occur. Actions that will occur include road reconstruction, stream crossing replacement, bridge demolition, and bridge installation.

If you answered "no" to # 1, explain what type of actions are involved in the proposal (i.e., research only, planning only).

2. How many acres of land will be subject to a land use change under the proposal? **_NONE___**

3. What is the current land use of the area subject to a land use change under the proposal? What is the current zoning and general plan designation(s) for the property? Does the current land use involve agricultural production?

   a) Current land use **____Timber Production**_____
   b) Current zoning **___TPZ**_____
   c) Current general plan designation _____
   d) Does current use involve agricultural production? Yes____ No **XX**_

4. Is the land subject to a land use change in the proposal currently under a Williamson Act contract?
   Yes____ No **XX**__

5. What is the proposed land use of the area subject to a land use change under the proposal?

6. Will the applicant acquire any land under the proposal, either in fee (purchase) or through a conservation easement? Yes_____ No **XX**_

   a) If you answered "yes" to 6, describe the number of acres that will be acquired and whether the acquisition will be of fee title or a conservation easement:
   b) Total number of acres to be acquired under proposal _____
   c) Number of acres to be acquired in fee _____
   d) Number of acres to be subject to conservation easement _____

7. For all lands subject to a land use change under the proposal, describe what entity or organization will manage the property and provide operations and maintenance services.

8. Will the applicant require access across public or private property that the applicant does not own to accomplish the activities in the proposal? Yes_____ No__**XX**_

9. For land acquisitions (fee title or easements), will existing water rights be acquired? Yes_____ No_____

10. Does the applicant propose any modifications to the water right or change in the delivery of the water?
    Yes_____ No_**XX**_

    If "yes" to 10, please describe the modifications or changes.

PART H – SUPPORTING DOCUMENTATION

Qualification Summaries:

Tim O'Laughlin, Esq. Attorney-at-law and partner in the firm O'Laughlin and Paris in Chico, CA. The firm specializes in water rights, land use, planning, environment and natural resources. Mr. O'Laughlin earned a B.A. in Political Science at the University of California, Berkeley (1980) and a J.D. at the University of Santa Clara (1984). He has over 15 years experience in water law and public agency representation.
Relevant Experience: Mr. O'Laughlin represents clients in and before all federal and state judicial, administrative, and regulatory forums, including the California State Water Resources Control Board. He served as lead counsel for the San Joaquin River Group Authority in the Bay-Delta Water Rights hearing, which included more than 80 hearing days during nine separate phases. Mr. O'Laughlin's efforts developed the agreement that resulted in meeting flow dependent objectives of the San Joaquin River Basin.
Project Responsibility: Mr. O'Laughlin is staff to the Deer Creek Watershed Conservancy as legal counsel and project manager. His role in this project is to manage the overall project process. Mr. O'Laughlin will supervise and coordinate all project activities. He will be the main contact for all funding related issues. Mr. O'Laughlin can be reached at 2571 California Park Drive, Ste. 210, Chico, CA 95928 (530) 899-9755.

Jared J. Tappero, Forester. Road Maintenance Forester, Collins Pine Company. Mr. Tappero earned a Bachelor of Science degree in Forestry and Natural Resources from California Polytechnic State University, San Luis Obispo in 1995. Since receiving his degree he has worked as a forester in both the public and private sectors and two years ago became a registered professional forester with the State of California.
Relevant Experience: Mr. Tappero is the Road Maintenance Forester for Collins Pine Company and isresponsible for maintaining 700 miles of seasonal logging roads. Mr. Tappero is responsible for the planning, budgeting, and administration of the road maintenance program for Collins Pine Company. He, as Collins Pines representative, has worked cooperatively with the USDA Forest Service, Lassen National Forest, in maintaining some 50 segments of cost-share road throughout Plumas and Lassen Counties.
Project Responsibility: Mr. Tappero will be the project director for this project. He will manage and coordinate all construction activities and provide coordination with the Lassen National Forest. Mr. Tappero can be reached at P. O. Box 796, Chester, CA 96020 (530) 258-2111 Ext. 135.

Russ Volke, Silviculturalist. U.S. Forest Service – Lassen National Forest – Watershed Restoration Coordinator. Educated at the University of Arizona, earning a Bachelor of Science degree in forestry (1978).
Relevant Experience: Mr. Volke has twenty-four years experience with the U.S. Forest Service working in timber management, watershed planning restoration and monitoring. He is a certified silviculturalist.
Project Responsibility: Mr. Volke will be the project manager for the Lassen National Forest and coordinate project activities. He will also provide coordination with the Collins Pine Company and the Deer Creek Watershed Conservancy. Mr. Volke can be reached at Almanor Ranger District, P.O. Box 767, Chester, CA 96020 (530) 258-5149.